


Instructional Technology Newslane

Department of Elementary and Secondary Education

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<http://www.dese.state.mo.us/divimprove/instrtech/newsletters>

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Instructional Technology Update

FY03 Technology Grants – TAG funding and district payments

Districts were informed last month that the TAG grant program received an additional withholding, lowering the expected reimbursement rate to 71.82 percent. Because of changes in the appropriation and the payment schedule, it was impossible to issue regular TAG payments. This month, however, the Instructional Technology and Financial Management sections are working together to make payments to as many districts as possible, with the funds available at this time. The intent is to get all districts at or near 75% of their expected state reimbursement amount.

FY04 Technology Grants – Title IID eMINTS grants

While it is too soon to project funding for state programs next year, the Department is moving forward with plans for next year's Title IID competitive grant program. In Missouri, Title IID competitive funds are earmarked for the eMINTS Professional Development Program. Expecting level funding, the Department should have almost \$4,000,000 to distribute via competitive grants, enough to support 40 second-year grants and approximately 30-32 new first-year grants.

The Title IID eMINTS application information was mailed to school administrators in late January. Copies of the cover letter, program rules and guidelines, application forms, and program FAQ can be printed from the IT website at

<http://www.dese.state.mo.us/divimprove/instrtech/federalfunded/TitleIID/index.htm>. Applications must be submitted to the Department by March 31, 2003.

District Technology Planning

Countdown to March 31, 2003 deadline

As reported in previous months, and because of new requirements set forth in the No Child Left Behind Act, over 400 Missouri school districts and charter schools must submit technology plans for state approval this spring. Districts can access technology planning assistance resources and the current scoring guide on the web at

<http://www.dese.state.mo.us/divimprove/instrtech/techplan/techplan.htm>.

Technical assistance sessions available

The Missouri Educational Technology Professional Association (METPA) plans to provide additional technical assistance during the MOREnet spring conference. METPA members and officers will be available in the Drawing Room Terrace at Tan-Tar-A on March 19-20. Sessions will begin on the hour starting at 9 am through 4 pm on Wednesday and again on Thursday beginning at 9 am through 1 pm. Although the conference occurs close to the deadline, this provides districts with another opportunity to have tech plans reviewed by peers before the plans are submitted to the Department for state approval.

Census of Technology (COT)

Look for the statewide COT 2002 report to be posted to the web in late February or early March. In our determination to have all districts and buildings included, the report was delayed while we waited for the last couple of schools to complete their data entry.

The 2003 Census will be collected during the April core data cycle and must be completed by April 15, 2003. The 2003 COT is very similar to the 2002 version, except for several items (determined to be no longer needed or useful) that were deleted. While we had expected to completely revamp the COT in 2003, we decided to wait until more was known about NCLB and Title IID data requirements.

USF E-rate Program

MOREnet assistance

MOREnet created the guide "Steps in the E-rate Application Process" to provide a quick overview of the E-rate Program. It includes the most common forms, SLD responses, approximate timeframe involved in each, a description of the form, and deadline, if applicable. The document is available on MOREnet's E-rate web site at <http://www.more.net/services/e-rate/steps.html>.

Year 2002 (Year 5) funding

The Schools and Libraries Division (SLD) of the Universal Service Administrative Company (USAC) issued the 20th wave of letters for Year 2002 on January 13, 2003. Funding Year 2002 of the E-rate program provides support for services delivered July 1, 2002, through June 30, 2003. Wave 20 committed over \$25.8 million in 67 letters to school and library applicants. The funding associated with this wave includes funding for PRIORITY ONE (telecommunications services and Internet access) services and PRIORITY TWO (internal connections) at the 90% discount level. To date, the SLD has committed nearly \$1.7 billion in 28,122 letters for Year 2002. Additional waves will be issued every other week until the process is complete. Visit <http://www.sl.universalservice.org/funding/y5/> for more information on Year 2002 funding commitments.

Year 2003 applications – Form 471 window closes February 6, 2003.

The Form 471 application-filing window that opened on November 4, 2002 *will close on February 6, 2003 at 11:59 PM EST*. The Form 471 must be postmarked or submitted online by this date to be considered received within the window. Any 471 received after this date will be treated on a first come, first serve basis; however, no 471 that was received outside the window has been funded in the past 3 years. If a Form 471 is submitted online and is not e-certified then a signed certification page must be postmarked by or on February 6. To successfully submit a Form 471 a Form 470 must be posted for 28 days before the signing of any contracts or the submission of the Form 471. If an applicant has a multi-year contract based on a 470 filed in a prior year then a 471 referencing the prior 470 can be submitted. Any signed certification pages for the Form 470 must also be postmarked on or by February 6. Please don't forget to mail or fax your Item 21 attachment (Description of Services) for the Form 471!

At this stage, approximately 25% of FY 2002 funding has yet to be awarded. This means that a significant number of applicants will need to file applications for FY 2003 before knowing what funding they will receive for FY 2002. For applicants waiting to hear about FY 2002 funding for recurring services, such as local and long distance and Internet access, there is little to do but wait. However, applicants with plans hinging on pending requests for discounts on non-recurring services, such as for the purchase and installation of Internal Connections equipment, must decide whether to reapply for the same or similar services in their FY 2003 applications.

The SLD has indicated it will permit applicants to file FY 2003 applications conditioned upon future FY 2002 funding decisions. The instructions advise applicants to describe their situations in the Item 21 Attachments with statements such as "This funding request is filed assuming that a similar request for FY 2002, FRN # _____, is not approved" or conceivably "is approved." As FY 2002 requests are subsequently approved or denied, applicants would cancel any duplicative FRN. The SLD notice indicates that applicants in these situations should contact the Client Service Bureau at 888.203.8100 for cancellation instructions.

SLD assistance

The SLD provides important reminders to assist with the application process. Each topic is linked to an HTML document that provides detailed information on that topic. Also, the SLD maintains a training site at <http://204.76.13.136> that mirrors the actual SLD web site to Apply Online & View Forms. The training site allows applicants to practice filing applications without sending their data to the official site.



Quality Counts 2003: "If I Can't Learn From You..."

<http://www.edweek.org/sreports/qc03/>

Education Week's seventh annual report on state efforts in education, Quality Counts 2003, focuses on the teacher gap and state efforts to find and hire well-qualified teachers (as defined in NCLB) in high-need schools. The report indicates states are taking steps to recruit and retain skilled teachers, but few of those efforts are directed at finding teachers for the students who

need them most. Education Week also surveyed 30 large districts about courses of action to improve teacher quality in high-need schools. According to Virginia B. Edwards, editor of Quality Counts 2003 and Education Week, "Studies show that when it comes to student achievement, effective teachers are more important than any other school ingredient. If states hope to close the gap between minority and non-minority students and those from rich and poor families, they must first close the gap in access to skilled teachers."

Is This School a Learning Organization? 10 Ways to Tell

<http://www.nsdsc.org/library/jsd/brandt241.html>

A school culture that invites deep and sustained professional learning will have a powerful impact on student achievement. Leaders of schools, like leaders of businesses and hospitals, want their organizations to be flexible and responsive, able to change in accord with changing circumstances.

Individuals learn best when the content is meaningful to them and they have opportunities for social interaction and the environment supports the learning. In an article posted on the National Staff Development Council (NSDC) website, Ron Brandt describes 10 ways to tell whether your school is a true learning organization.

Show-Me TechKnowledge 2003

--Submitted by Bobbi Weekley, 2003 Show-Me TechKnowledge Chairperson

The second annual Show-Me TechKnowledge Day will be held on February 26, 2003 from 7:00 a.m. to 12:00 p.m. in the Capitol Rotunda on the third floor in Jefferson City. This is an opportunity for educators and students to showcase learning through technology to invited Missouri legislators, students, parents, and visitors.

Thirteen school districts from across the state have been selected to display outstanding technology projects currently being used in Missouri classrooms to enhance learning and improve student achievement. (See Newsline *Missouri Programs and Schools in the News* for listing of exhibits.)

The mission of the Show-Me TechKnowledge Day is to demonstrate to all of our legislators the importance of using technology in educating our children and to demonstrate technology use in the classroom. Representatives from various educational groups, businesses, and organizations throughout the state are supporters of the Show-Me TechKnowledge Day. Contact [Bobbi Weekley @ computerhelp@ktis.net](mailto:BobbiWeekley@computerhelp@ktis.net) for more information about this year's event.

Connections 2003: MOREnet Spring Technical Conference

--Submitted by Eric Nicklas, Program Manager, K-12 Technology Network Program, MOREnet

MOREnet will host Connections 2003, the annual spring technical conference on March 19-20, at Tan-Tar-A in Osage Beach, Mo. The conference is designed to provide information on current technologies and solutions as well as offer insight on the future directions of technology in education. It is targeted for those who manage and support technology, including, but not limited to, technology coordinators and technology support specialists who are current members of MOREnet.

Online registration is open Feb. 3-March 7:
<http://www.more.net/services/conferences/spring2003/register.html>.

This year's conference features:

- Keynote speaker - Michael A. Hodge, J.D., President, Security Liability Consulting, L.L.C.
- Technical breakout sessions - over 60 technical breakout sessions designed for technology personnel at all levels of technical experience.
- Roundtable sessions – roundtable discussions on various technical topics.
- Vendor fair - offers attendees the opportunity to meet with vendors to discuss their products.

Complete conference information is available at

<http://www.more.net/services/conferences/spring2003/>.

Mark your calendars now for the Missouri Educational Technology Conference, sponsored by DESE and MOREnet: Oct. 19-21, 2003, at Tan-Tar-A.



METPA Update

--submitted by Judy Manhatton, METPA Treasurer

<http://www.metpa.org>

Technology Plans and Finances

What are the two hottest topics currently in education technology? Probably technology plans and technology finances. METPA is providing information and assistance to districts on both these topics.

Technology Plans

METPA hosted a half-day review of tech plans on January 9th. Over seventy people attended and tech plans received peer reviews. METPA will also be available to review and answer questions concerning your technology plans at the spring MOREnet Technical Conference at Tan-Tar-A on March 19-20. METPA officers and members will be hosting sessions in the Drawing Room Terrace beginning on the hour (Wednesday starting at 9 am with the last session beginning at 4 pm; Thursday, beginning at 9 am with the last session beginning at 1 pm.) District technology plans will be reviewed, in a group format, using the state-provided rubric. The deadline for submitting plans to DESE is March 31.

Technology Finances

With the recent budget cuts and the dismal outlook for next year, what money will be available for technology? This is a question many of us have been asking recently. The Missouri Education Technology Professionals Association (METPA) announces a spring Technology Forum to be held at the Ike Skelton Training Center, Missouri National Guard Headquarters, Jefferson City, MO. Presentations will be made concerning State Funds, Federal Funds, Grant Writing, and Local Funds. Please join us for this forum. Visit the web site for more details www.metpa.org

Date: Wednesday, February 19, 2003

Time: 9:30 am – 12:30 pm

Topic: *How to Fit a Size 12 Technology Plan Into a Size 6 Technology Budget*



Online Resources Available Through MOREnet

--Submitted by Eric Nicklas, Program Manager, K-12 Technology Network Program, MOREnet

MOREnet provides access to the Gale, EBSCO and NewsBank databases to students, faculty and staff of the 512/524 Missouri school districts that participate in MOREnet's K-12 Technology Network Program (K-12 TNP). The resources are available to MOREnet customer computers connected to the MOREnet network.

More About the Resources

The Gale DISCovering® Collection provides full-text information about literature, history, biographies, science and social studies. It also includes content designed for the research needs of K-12 students.

EBSCOhost provides access to full-text information from current and authoritative journals, magazines, pamphlets, newsletters, and reference books on a wide variety of topics. This resource also includes access to Searchasaurus, a special children's database of age-appropriate content.

NewsBank provides the full text of news features, special interest stories, editorials, daily columns, letters to the editor, sports reports, death notices, obituaries and more from the recently added titles like Chicago Tribune, The Christian Science Monitor, The Commercial Appeal (Memphis, Tenn.), The Des Moines Register (Iowa), The Kansas City Star, Los Angeles Times, The Louisville Courier-Journal (Kentucky), NewsMissouri, The Springfield News Leader (Missouri), St. Louis Post-Dispatch, Tulsa World (Oklahoma), USA Today, The Washington Post, and The Wichita Eagle (Kansas).

EBSCOhost, Gale and NewsBank are provided to MOREnet customers through funding by the Missouri General Assembly. This appropriation is made to the Secretary of State's Office and administered by the Missouri State Library.

The Gale DISCovering® Collection is provided to MOREnet customers through funding from the Department of Elementary and Secondary Education.

Find tutorials, a subject guide and more information about accessing and using online resources from MOREnet at <http://www.more.net/online/>.



Free Electronic Newsletters

<http://edlines.hprtec.org/>

Edlines – The High Plains Regional Technology in Education Consortium (HPR*TEC) issues Edlines, a bi-weekly digest of current technology in education news headlines. Visit the HPR*TEC website at <http://edlines.hprtec.org/> to read the current issue of Edlines and/or to subscribe to the free email service. Below is an example of an Edlines digest.

Closing The Gap

Posted: 29 Jan. 2003

Source: Education World 04 Dec. 2002

http://www.educationworld.com/a_tech/tech152.shtml

Efficient planning by technology leaders can help close the communication gap between teachers and technology, which can result in more successful technology use in classrooms. The No Child Left Behind Act places technology planning and accountability at the forefront of concerns of American educators as districts are required to evaluate, track, and increase achievements among students. Dixie Conner, a member of Edmin's Performance Planning Department, offers five tips on how technology leaders can help teachers in the planning process. Her suggestions, such as soliciting teacher participation, keeping computers up and running, and teachers helping other teachers how to integrate technology into classrooms, will help teachers get more out of their school district's technology planning. .p> Summary by Sherri Ryan 29 Jan 2003

[Read the Article >>>](#)

Cyberscoop – Each issue of Cyberscoop provides a listing of interesting and appropriate online resources for educators. (*Newsline* often posts interesting websites that were identified by Cyberscoop.) The listings are annotated and organized by user categories that include: general sites for all, and sites of special interest to administrators and teachers of grades K-2, 3-5, 6-8, and 9-12. Sign up for the free newsletter at <http://teams.lacoe.edu/documentation/support/carole/subscribe.html>. To locate archived issues, visit <http://teams.lacoe.edu/documentation/support/carole/cyberscoop/archive.html>.

GrantStation Insider – Get the latest information on new funding programs, upcoming deadlines, conferences, seminars, and general information for the serious grantseeker. Sign up for the free weekly Grant Station Insider at http://www.grantstation.com/grantstation/Insider_signup.asp. Below is an excerpt from the January 28 GrantStation Insider.

The Nonprofit Technology Enterprise Network (N-TEN) recently published the report: *Nonprofits, NTAPS and Information Technology* (<http://www.nten.org/reports>). The report is a survey of nonprofits organizations' attitudes toward technology, nonprofit technology assistance providers (NTAPs), and their most recent technology projects. (January 2003)

◆ Special Discounts on Apple Mobile Systems

These are difficult times for the schools of Missouri. Most school districts are faced with tough financial choices. In an effort to help reduce the cost of purchasing computer technology for the classroom, the Missouri Department of Elementary and Secondary Education has worked with Apple Computer to offer significant savings to the schools of Missouri. The discounts cover a variety of configurations of the Apple mobile systems, including Apple's mobile wireless iBook labs and Mobile Wireless Curriculum Labs, which directly address the principles of the No Child Left Behind legislation.

The discounts for each mobile lab range from \$600 and \$1659 in savings, over and above the already reduced price for education. This is a limited time offer, available through March 21, 2003. For detailed information schools should call Apple's Sales Executives Laura Whaley (636-391-2775) or Todd Woiwode at (1-800-800-2775 extension 46830).



The Early Literacy Mobile Curriculum Lab (grades Pre K-3) is designed to address all 5 key components of the Reading First initiative. The Destination Reading software provides instruction in phonemic awareness, phonics/decoding, fluency, vocabulary, and comprehension. **(Save \$1500 - \$1659)**



This Math Curriculum Mobile Lab (grades K-6) demonstrates how mathematical issues arise out of real-life situations. Destination Math, designed around both State and National objectives, is an interactive software that engages and captivates your student's interest, as they learn the core components of mathematics. **(Save \$1500 - \$1659)**



The Science Curriculum Mobile Lab (grades 6-12) uses award winning software, digital microscopes and probes to integrate technology with biology, chemistry, physics, physical science, and earth science. This 21st century learning tool allows students to work with two curriculum areas that are rapidly merging in academia and business, technology and scientific experimentation. **(Save \$899 - \$964)**



This Math Curriculum Mobile Lab (grades k-12) seeks to bring relevance to the mathematical concepts taught in pre-algebra, algebra, and more advanced courses. The software, Algebra in the Real World, shows the relevance of mathematical concepts in 16 different career fields. Destination Math showcases how mathematical issues arise out of real life situations. Mathematica is used to teach more advanced students a wide range of secondary math subjects. **(Save \$1000 - \$1330)**



The Rosetta Stone Language Curriculum Mobile Lab provides instruction, in more than 20 languages, to students of all ages (grades k-adult.) Many school districts are facing an increasing demand to teach incoming ESL students (and their parents.) The Rosetta Stone software seeks to address this and other language learning with their award winning courseware. It is organized into four key components: listening comprehension, reading comprehension, speaking, and writing. **(Save \$1500 - \$1660)**



IBook Wireless labs are also available in 10 and 20 laptop configurations. These labs allow you to implement software titles of your choice that are accessible wherever your students may be.
(Save \$600 - \$1260)



◆ **Distance Learning in K-12 Schools: Warsaw R-IX Takes Steps to Expand Distance Learning to Community**

--Submitted by Bill Gant, Warsaw R-IX IDL Programs Coordinator

During the past two years, Warsaw R-IX School District has taken great steps at implementing and improving their Interactive Distance Learning Program. The program was funded by a two-year grant program from the Department of Elementary and Secondary Education (DESE). The first year was the implementation period, where the groundwork was laid for the advancements of the technology. The purpose of the second year was to improve the existing setup and to extend its capabilities.

In the initial setup, a Polycom FX video conferencing unit was installed. Using a specially designed rolling cart, and a 36-inch television made this unit fully portable. This allows the utilization of the unit in rooms other than the IDL Classroom. A fully functional document camera, as well as a laptop station for the instructor were also added. The classroom itself is composed of carpeted ceilings and walls, full counter tops with adjoining hidden computer desks, leather office chairs, instructor podium, and a phone/fax center.

During the second year of the grant, Warsaw implemented a second Polycom unit, so multiple classes can be conducted. Uses of the second classroom were expanded due to Students Applying Learning Technology (S.A.L.T.). The second classroom is utilized daily by not only college classes, but after school studies for high school students. This second unit also benefits the community with the utilization of adult education night classes. This classroom has an advantage of being able to accommodate 50 people and can be used for testing and other activities as needed. The room is 30' X 50' and features the same carpeting scheme as the first IDL lab. This room also has 16, Pentium 4-computers with a laser printer. With the addition of a second IDL lab, a Via Video single user unit will be implemented for individual user classes. We have also purchased a DVD recorder so a complete library of classes can be recorded and stored in a cost and space efficient manner. In addition to the DVD recorder, a portable DVD player will be used in case a homebound student is unable to attend class.

The new IDL facility at Warsaw has been a huge success. An overwhelming number of students have expressed interest in taking one or more of the distance learning classes. The equipment that has been implemented this year will make it possible to conduct multiple classes, as well as providing education for homebound students. In addition, the equipment makes it possible to multicast to all school buildings in the Warsaw R-IX District, and provide vocational and life skills classes to students in the Warsaw R-IX Alternative School. With a total of 11 distance learning classes being scheduled for Spring 2003 from State Fair Community College, and the possibility of having 21 more, it is evident the growth and changes of the Warsaw R-IX IDL program has far succeeded its expectations. For more information contact Bill Gant, Warsaw R-IX IDL Programs

Coordinator at bgant@warsaw.k12.mo.us or Jarred Gant, Warsaw R-IX Technology Specialist at jgant@warsaw.k12.mo.us



Missouri Schools and Programs in the News

Smithville

Congratulations to Renee Martin-Kratzer and Janice Uptegrove for recognition by Education World. Renee and FY00 eMINTS teacher Janice Uptegrove in Smithville were featured in an article about using videoconferencing to teach about the orphan trains of the late 1800's and early 1900's. Check out the article at http://www.educationworld.com/a_curr/profdev030.shtml

Congratulations to the following districts and teachers for being chosen to exhibit their successful classroom technology projects at the Show-Me TechKnowledge Day in the Capitol Rotunda on February 26.

Cooper R-IV

Teacher: Jennifer Brumback

"The Process of Coding High Tech Web Pages" (Grades 11-12)

High school students designed a web site with its focus on Missouri's main sports and webquests for elementary students using all elements of web design.

Sullivan C-II

Teachers: Sharon Sumner and Lisa Weiskopf

"Show-Me Data" (Grades 3- 4)

Students involved in this interactive project will demonstrate how data can be collected, turned into a variety of charts and graphs for analyzing and reporting, and posted to the website for viewing.

Kirksville R-II

Teacher: Gregory Cody

"Networking and Computer Technology" (Grades 11-12)

Students use video editing equipment, digital and still camera motion along with interviewing, script writing, and audio editing to promote the activities of the Kirksville Area Technical Center.

Camdenton R-III

Teacher: Carolyn Dickerson

"Show-Me Missouri" (Grade 4)

Students research Missouri history using the Internet, text, and library media center resources. HyperStudio is then used to compose a presentation which is shown using an electronic whiteboard during open house, PTO meetings, and the Midwest Education Technology Conference (METC) Conference.

Dora R-III

Teacher: Beth Ward

"I-TV Spanish and Spanish Amigos" (Grade 11)

Using I-TV, one Spanish teacher located in Dora teaches students in Dora, Bismarck and Lesterville. Once students have become fluent in speaking Spanish, they enter Spanish chat rooms and chat with other Spanish-speaking individuals allowing them to learn about the culture and lifestyle of other places.

Warsaw R-IX

Teachers: Bill Gant and Janice Stevenson

"Steak" on a "Hamburger" Budget (Grades 9 and 12)

The SALT/CLC Program in the Warsaw District provides various types of technology-based education for students including brochure creation and PowerPoint presentations.

Kirbyville R-VI

Teachers: Megan Ools and Karen Pearson

"Fifth Grade Wireless Classroom" (Grade 5)

Students participate in a variety of inquiry-based lessons utilizing wireless laptops in the classroom. Basic computer programs and Internet connections provide limitless resources for students to research projects and participate in web quests that correlate and meet Show-Me Standards.

Princeton R-V

Teacher: Daniel Wiebers

"Tiger One News and Video Yearbook" (Grade 12)

Using a screenplayer-editing machine, students create a news program called *Tiger One* similar to the nationally known *Channel One* news broadcast for secondary students. The students also create a *video year* being sold at the end of each school year.

Wellsville Middletown R-I

Teacher: Sherri Slovensky

"Electronic Books in First Grade" (Grade 1)

First grade students study various units and create electronic books using PowerPoint. They conduct research, write facts and stories, and draw pictures to complete the books.

Branson

Teachers: Regina Seaman and Becky Ramer

"The Upstairs Downstairs Technology Team" (Grade 2)

The first and second grade teachers and students work together to create a technology team utilizing the computer software KidPix. The classroom teachers and the art teacher have collaborated to create computer-based projects such as rugs, quilts, puppets, flags, and three-dimensional projects.

Concordia R-II

Teacher: Carrie Emde

"Creating Material to Teach Younger Students" (Grade 6)

Sixth grade students created PowerPoint presentations on simple lessons such as colors, numbers, months of the year, days of the week, numbers in Spanish, and words beginning with the consonant blends of th, sh, ch. The students then use the PowerPoint presentations to teach mini-lessons to preschool and kindergarten students.

Neosho R-V

Teachers: Monica Elseman and Glen Abshire

"Where in the World are the Teaminators?" (Grade 7)

In this interdisciplinary unit about world geography, students created a computerized slide show similar to the NBC's *Today Show* segment entitled "Where in the World is Matt Laurer?"

Students used technology and applied their knowledge from core classes to write and star in the slide show.

Missouri City

Teacher: Jay Jackson

"The Blue Train" (Grade 8)

Students select Show Me Standards correlated with MAP objectives and weave them into a PowerPoint presentation using a subject of their choice. They stand in oral defense of their contention of mastery over these objectives before their peers, teachers, parents, and an unknown distant audience via a polycom interactive television system.



Copyright Question of the Month

Q. May an educator (e.g., administrator, classroom teacher, or student teacher) other district employee, volunteer, or others who owns a legal copy of a software program that is installed on their home computer install a copy of this program on a school owned computer?

A. No A single-user license allows the installation of the software on **only one** machine unless otherwise specified.

Note: Installation may occur only if the license specifically allows the simultaneous installation of the software in both locations.



Mark Your Calendar

February 1	Newsline published
12	Lincoln's Birthday—State Holiday
13	MO Rural Opportunities Council Telecommunications/Education Committee Meeting (1:15-3:30 pm) Governor's Office Building, Room 316, Jefferson City, MO
17	President's Day—State Holiday
19	METPA Spring Forum " <i>How To Fit a Size 12 Technology Plan Into a Size 6 Budget</i> " (9:30am -12:30 pm)

	Ike Skelton Center, Jefferson City, MO
25	Newsline articles due
26	Second Annual Show-Me TechKnowledge Day (7 AM -12 PM)
	Third Floor Capitol Rotunda, Jefferson City, MO
March 1	Newsline published
13	MO Rural Opportunities Council Telecommunications/Education Committee Meeting (1:15-3:30 pm)
	Governor's Office Building, Room 316, Jefferson City, MO
19-20	METPA Technical Assistance for Technology Plan Writing at MOREnet Spring Conference, Drawing Room Terrace, Tan-Tar-A
25	Newsline articles due
31	Technology Plans due
31	FY04 eMINTS applications due



Upcoming 2003 Conferences

February 3-5	Ohio SchoolNet Technology Conference 2003 Columbus, Ohio http://www.osn.state.oh.us
February 4-6	2003 Florida Educational Technology Conference (FETC) Orlando, FL http://www.fetc.org/fetc2003/index.asp
February 19-21	New Technologies in Training and Technical skills Orlando, FL http://www.salt.org
February 20-23	American Association of School Administrators: 2003 Annual Conference New Orleans, LA http://www.aasa.org/nce 2003/index.asp
February 20-22	Interface A—Grades K-6 Tan-Tar-A, Osage Beach, MO www.muconf.missouri.edu/interface
February 23-25	Interface B—Grades 7-12 Tan-Tar-A, Osage Beach, MO www.muconf.missouri.edu/interface
February 25-27	K-12 School Networking Conference: Achievement, Assessment & Accountability Hyatt Regency Crystal City, Arlington, VA http://www.k12schoolnetworking.org/
February 25-28	Illinois Technology Conference for Educators St. Charles, IL
March 4-5	RCET-SW Conference University Plaza, Springfield, MO www.rcet.net
March 6-8	Kentucky Teaching and Learning Conference 2003 Louisville, Kentucky http://www.kentuckytlc.com
March 8-10	Association for Supervision and Curriculum Development (ASCD) 58th Annual Conference and Exhibit Show San Francisco, CA
March 13-15	International Technology Education Association: 65th Annual Conference Nashville, TN http://www.iteawww.org/D.html
March 17-19	Microcomputers in Education Conference

	Arizona State University, Tempe, Arizona http://mec.asu.edu
March 19-20	MOREnet Spring Technical Conference Tan-Tar-A, Osage Beach, MO
March 19-20	Missouri Research and Education Network HELIX (Higher Education Learning & Information eXchange) Conference Tan-Tar-A, Osage Beach, MO
March 30-April 1	MERC (Missouri Education & Research Consortium) Missouri Association of School Librarians (MASL) Tan-Tar-A, Osage Beach, MO www.MASLonline.org
June 30-July 2	NECC Seattle, WA
July 17-18	Distance Learning Education: Is it the Classroom of the Future? (MoDLA Third Annual Conference) Sheraton Westport Hotel Westport Plaza, St. Louis, MO www.modla.org
October 19-21	Missouri Educational Technology Conference 2003: Teacher-Driven Technology Tan-Tar-A, Osage Beach, MO Missouri Department of Elementary & Secondary Education Missouri Research and Education Network

From the Mailbag

Global Village Consulting (GVC)

<http://demo.gvcsitemaker.com>

<http://sitemaker.umich.edu/sitemaker.resources>

Exclusively provided by GVC (Global Village Consulting), GVC.SiteMaker is an application designed specifically for K-12 Schools and Universities. It is helping our clients, such as in the case of Ann Arbor Public Schools and the University of Michigan to provide a very powerful and flexible web-site creation and management tool enabling non-technical faculty, students and staff to easily and quickly create, customize, edit, publish and manage fully functional web-sites.

GVC.SiteMaker also empowers website administration and support staff to effectively execute centralized and/or distributed control over K-12 School's and University's web-sites.

GVC.SiteMaker is not only improving communication internally within Schools and Universities, but it is also enabling information to be easily accessible and more readily available to the general public. Contact Erica Ediger, Public Relations Global Village Consulting Inc. (GVC) PH: 604-608-1719 or PH: 1-877-604-1776 (toll free)

Schools Offered Wireless Networking Certification Program

<http://www.eschoolnews.com>

A company that trains and certifies information technology professionals in wireless networking is giving its curriculum and courseware to U.S. high schools free of charge, although schools will have to pay some of the cost of equipment and training. The program complements the hard-wired networking programs already offered in schools by the likes of Microsoft and Cisco systems. Through the Wi-School Program, schools can begin training students in wireless networking with the same materials used by IT professionals. So far, about 50 schools in 40 states have signed up to teach the course. Participating schools receive a free license to the Certified Wireless Network Professional curriculum, which is a vendor-neutral program created by Planet3 Wireless Inc. of Denver. The equipment and materials needed to teach the Wi-School curriculum cost about \$500.

TCP/IP Turns Twenty

<http://www.wired.com/news/infostructure/0,1377,57013,00.html>

On New Year's Day, the Internet celebrated a 20th birthday, so to speak. Though there are many claims to the "birth" of the Internet, January 1, 1983 marked the Net's transition from Network Control Protocol (NCP) to Transmission Control Protocol and Internet Protocol (TCP/IP).

Source: Wired News

Failing Not Allowed Here

<http://www.philly.com/mld/inquirer/news/local/4855809.htm>

Like other schools labeled "high-tech," Philadelphia's High Tech High Charter School integrates technology in every aspect of its program. It also uses a unique competency-based grading and performance system under which students receive either a 'mastery' or 'incomplete' rating and the chance to try again.

Source: The Philadelphia Inquirer

New High School Comes With Student Laptops

<http://www.bayarea.com/mld/mercurynews/news/local/4662002.htm>

Students and teachers at San Jose's new Evergreen Valley High School each have their own laptop computer with wireless Internet access. With such ready one-to-one access, Evergreen Valley is itself a lab where educators can learn about the potential of this enriched learning environment.

Source: The Mercury News

Students Help State Pinpoint Their Schools

<http://www.questwithgis.com/>

Students in Louisiana are contributing information to a state web site that will help disaster-relief workers find appropriate school shelters for different kinds of emergencies. Using the site's Smart Map technology, students will be able to find and submit their school's exact latitude and longitude.

Source: Louisiana Department of Education

\$40 Billion Ed Tech Investment At Risk

<http://www.benton.org/>

The Benton Foundation is warning that the \$40 billion investment America has made over the past ten years to equip schools with technology resources may be at risk in the current economic environment. The new report, "The Sustainability Challenge: Taking Ed/Tech to the Next Level," details the critical next steps needed to sustain America's ed-tech infrastructure.

Source: The Benton Foundation

Technology and the Digital Millennium Copyright Act

The U.S. Copyright Office has published the comments it received in response to its inquiry concerning sections of the 1998 Digital Millennium Copyright Act. The agency solicited comments as part of a rulemaking on exemptions from prohibition on circumvention of technological measures that control access to copyrighted works. Wired News

(<http://www.wired.com/news/business/0,1367,56963,00.html>) reports that respondents, overwhelmingly favored carving out exceptions to the DMCA for certain uses of music files, text and video technologies. Many based their arguments upon the legal principle of fair use, which allows copying of snippets of copyrighted works for research, teaching or other purposes.

The comments can be found at <http://www.copyright.gov/1201/2003/comments/index.html>



Internet Sites of Interest

EduHound.com: Columbia Tragedy Resources

<http://www.eduhound.com/columbiatragedy.html>

Groundhog Day

Groundhog Day History

<http://www.stormfax.com/ghogday.htm>

Groundhog Day Student Activities

<http://boe.cabe.k12.wv.us/ona/groundhog.html>

Groundhog Day Crafts & Activities

<http://www.enchantedlearning.com/crafts/groundhogday/>

Wiarton Willie - Canada's Leading Weather Prognosticator

<http://www.wiarton-willie.org/index.cfm>

Black History Month

<http://www.visionaryproject.com/flash.html>

The National Visionary Leadership Project is a nationwide program, which provides an archive of video biographies focused on intergenerational leadership to preserve and distribute worldwide the living history of African-American leaders.

<http://emints.more.net/ethemes/resources/S00000611.html>

eThemes Black History Month Strand

Find out who came up with the idea of Black History Month, why he hoped it wouldn't last, and why it occurs in February. Also learn about the contributions of African Americans in different fields.

<http://emints.more.net/ethemes/resources/S00000314.html>

eThemes Famous African Americans Strand

These sites give biographical information on African Americans. See paintings and photographs and take an online quiz.

Assessment

Helping Families, Schools and Communities Understand and Improve Student Achievement

<http://www.ed.gov/offices/OESE/esea/testingforresults/index.html>

Kathy Schrock's Guide for Educators: Assessment Rubrics

<http://school.discovery.com/schrockguide/assess.html>

Adopting, Adapting, or Developing an Aligned Assessment for Your Lesson

<http://www.rmcdenver.com/useguide/assessme/aindex.htm>

MidLink: Rubrics and Evaluation Resources

<http://www.ncsu.edu/midlink/ho.html>

Economics

U.S. Treasury Education

<http://www.ustreas.gov/education/index.html>

ECONnections: Lesson Plans

<http://www.e-connections.org>

The Mint

<http://www.themint.org>

Stock Market Game (gr. 4-12 by State)

http://www.smg2000.org/frm_teachers.html

K-8 Educational Projections and/or Strategic Planning
U.S. Dept. of Ed: Strategic Plans and Annual Reports
<http://www.ed.gov/pubs/planrpts.html>

Projections of Education Statistics to 2007
<http://nces.ed.gov/nces/pubs/pj/p97005.html>

NCREL: Pathways to School Improvement
<http://www.ncrel.org/sdrs/>

America's Children: Key National Indicators of Well-Being 2002
<http://childstats.gov/americaschildren/>

Math
<http://www.gdbdp.com/multiflyer/>

This site helps you learn about the planets while playing a multiplication game. You can pick exactly which facts are needed for practice and practice with them all the way through the 12's (with different difficulty levels). When you finish a desired number of problems, you can cancel the mission and a screen pops up with the percentages. Ask for a printable report and the student can type in his name and date and it prints out a report. The student can see at a glance which of the fact tables need more work for mastery.

Math Site
This math site has a link for anything you wish to teach in math.
<http://www.redmond.k12.or.us/patrick/renz/Math%20Web%20Sites2.htm#Multiplication%20Facts>

Online Projects
Orphan Train
http://www.educationworld.com/a_curr/profdev030.shtml

Take a look at the Orphan Train, an Online Project that Education World describes in a recent article. Fourth grade teachers who completed the project with their classes discuss the unit as well as all of the resources.

Signs of Autumn Signs of Spring
<http://telecollaborate.net/education/ssf/>

For a five-week period beginning in March, students in the Northern Hemisphere make observations and discuss signs of Spring while students in the Southern Hemisphere watch for signs of Autumn. Then students write, draw and photograph their observations to share with other classrooms around the world.

Newest eThemes
Solar System: Famous Comets
<http://emints.more.net/ethemes/resources/S00000844.html>

Learn more about some famous comets including Halley's, Hale-Bopp, Shoemaker-Levy 9, and Hyakutake. Includes photographs and animations. There is also a link to an eThemes Resource on comets that provides a basic overview.

Space: Observatories and Planetariums
<http://emints.more.net/ethemes/resources/S00000895.html>

These sites have information about observatories and planetariums. Find out how observatories help scientists learn more about space and how planetariums help non-scientists understand the universe. Take virtual tours and view many photographs of these places. Also includes information about telescopes. There are links to eThemes Resources on constellations and planets.

Mackinac Bridge

<http://emints.more.net/ethemes/resources/S00000897.html>

Learn about Michigan's Mackinac Bridge, the world's third longest suspension bridge. Find out about the struggle it took to build this bridge and the time it saves travelers. Includes historical and current photographs, maps, and live views from Web cams.

Missouri: Famous People: Dred Scott

<http://emints.more.net/ethemes/resources/S00000892.html>

Read about Dred Scott, the famous slave who sued in court for his freedom. Find out what the Supreme Court's ruling meant for all slaves. Includes biographies, primary documents, and newspaper editorials from the time period. There are links to eThemes Resources on the Civil War, slavery, and the Missouri Compromise.

Skyscrapers

<http://emints.more.net/ethemes/resources/S00000900.html>

Find out how skyscrapers are built and how they withstand the force of wind. View photographs and diagrams of the world's tallest buildings and see how they compare to each other. Includes silent movies from the early 1900s that show New York skyscrapers.

Animals: Bottlenose Dolphins

<http://emints.more.net/ethemes/resources/S00000939.html>

Read about the behavior, appearance, and distribution of bottlenose dolphins. Learn how these mammals communicate with each other. Includes videos, photographs, sound files, a coloring page, and online games.

Animals: Cheetahs

<http://emints.more.net/ethemes/resources/S00000932.html>

These sites are about African and Asiatic cheetahs, which are endangered animals. Read about their diet, habitat, behavior, life cycle, and offspring. Includes audio and video clips. There are links to eThemes Resources on the grassland habitat and the continent of Africa.

Animals: Clydesdales

<http://emints.more.net/ethemes/resources/S00000917.html>

Learn about Clydesdale horses, which are a breed of draft horses. Find out how much these large animals eat, how tall they are, and the size of their enormous hooves. There is information about their behavior, characteristics, and history. Includes many photographs. There is a link to an eThemes Resource on horses.

Animals: Kangaroos

<http://emints.more.net/ethemes/resources/S00000927.html>

These sites are about kangaroos. Learn about their diet, habitat, behavior, and characteristics. Find out how far and high this marsupial can jump. Includes photographs, coloring pages, and videos. There is a link to an eThemes Resource on Australia.

Animals: Saint Bernards

<http://emints.more.net/ethemes/resources/S00000916.html>

These sites are about Saint Bernards, a large breed of working dogs. Find out how much they eat, how much they weigh, and if they make good household pets. Learn more about the history of these dogs, including their role as rescue dogs in the Swiss Alps. There are photographs, illustrations, and a video.

Literature: "The Empress of Elsewhere" by Theresa Nelson

<http://emints.more.net/ethemes/resources/S00000896.html>

These sites focus on themes from the book, including anger management, dealing with the death of a loved one, living with grandparents, depression, and peer pressure. There is also information

and videos about capuchin monkeys and releasing animals into the wild. Includes a link to an eThemes Resource on dioramas.

Literature: "Trumpet of the Swan" by E.B. White

<http://emints.more.net/ethemes/resources/S00000901.html>

These sites are about the book "Trumpet of the Swan" and author E.B. White. Learn about these endangered animals, listen to audio files of their distinct call, and read the history behind Boston's swan boats. Includes activity ideas, graphic organizers, online games, and a board game that can be printed out.

Literature: "The BFG" by Roald Dahl

<http://emints.more.net/ethemes/resources/S00000879.html>

These sites have information about author Roald Dahl and his book "The BFG." Includes suggested lesson plans, a play script, and online quizzes. There is also information about giants and a link to eThemes Resources on adjectives, character traits, and the United Kingdom.

Country: United Kingdom

<http://emints.more.net/ethemes/resources/S00000893.html>

These sites are about the United Kingdom, which includes England, Scotland, Wales, and Northern Ireland. Learn about this area's geography, monarchy, food, sports, and history. There are also maps of the region, photographs of various attractions, and several live Webcams.

Country: Korea

<http://emints.more.net/ethemes/resources/S00000910.html>

These sites are about Korea's geography, climate, history, and culture. Learn how write Korean numbers and words, try a Korean recipe, and view many photographs. Includes information about both North and South Korea and the Korean War.

Economics: Basic Concepts

<http://emints.more.net/ethemes/resources/S00000036.html>

Learn about various economic concepts including supply and demand, opportunity costs, and natural, human, and capital resources. Includes many lesson plans and several online quizzes and interactive games.

Native Americans: Osage Tribe

<http://emints.more.net/ethemes/resources/S00000146.html>

Learn about the culture, clothing, and customs of the Osage Indians. View photographs and read primary documents that describe this tribe. Includes a Missouri Heritage video.

Revolutionary War: Causes

<http://emints.more.net/ethemes/resources/S00000025.html>

These sites focus on the major events leading up to the American Revolution. Learn about the Boston Tea Party, the Boston Massacre, the Proclamation of 1763, and more. Includes timelines, videos, and games. There are links to other eThemes Resources about the Revolutionary War.

Revolutionary War: Choosing Sides

<http://emints.more.net/ethemes/resources/S00000581.html>

These sites have information about the loyalists and patriots and their conflicting beliefs that led up to the Revolutionary War. Two interactive sites have students choose a side. There are several primary documents, plus information about General Cornwallis and King George III. Includes links to eThemes on the Revolutionary War, Declaration of Independence and Thirteen Colonies.

Revolutionary War: Paul Revere

<http://emints.more.net/ethemes/resources/S00000556.html>

These sites are about the life of Paul Revere. Includes information and a map of his famous ride to warn the militia that the British were coming. There are biographies, a poem, artwork, and a short video.

Revolutionary War: Biographies

<http://emints.more.net/ethemes/resources/S00000272.html>

This is a collection of biographies on the men and women involved in the Revolutionary War. Learn about George Washington, Benjamin Franklin, King George III, Samuel Adams, Phillis Wheatley, Benedict Arnold, Crispus Attucks, Nathan Hale, Ethan Allen, and more. Includes portraits and some videos. There are links to eThemes Resources on Paul Revere and the Revolutionary War.

Solar System: Comets

<http://emints.more.net/ethemes/resources/S00000631.html>

These sites are about the composition, orbits, and characteristics of comets. Includes photographs, video clips, hands-on activities, online games, and quizzes. There are links to eThemes Resources on planets in the solar system and famous comets.

Solar System: Planets

<http://emints.more.net/ethemes/resources/S00000002.html>

These sites are about the solar system and the nine inner planets. Find out how much you weigh or how old you would be on different planets. Learn about the planets' different climates and structures. Includes simulations, videos, and photographs. There are links to eThemes Resources on revolution and rotation, the earth's moon, and space exploration.

Space: Constellations

<http://emints.more.net/ethemes/resources/S00000256.html>

View many illustrations of constellations. Learn how they were named and other historical information. Find out what phases the stars go through. Also learn about associated Roman and Greek mythology. Includes quizzes and a movie.